**DATA 200**

**Lab 2**

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**Project Overview**

This project is a console-based stock analysis tool. It allows users to save and retrieve stock data. Users can create charts according to stock price history.

**File List**

This project includes the following files:

* stock\_class.py
* stock\_data.py
* stock\_console.py
* utilities.py
* stocks.py
* stocks.db
* AAPL.csv
* V.csv
* chromedriver

**How to Run**

Run the stock\_console.py file

1 - Manage Stocks (Add, Update, Delete, List)

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1-1 – Add Stock

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Add stock you want, here I add TSLA for example. When you enter the correct stock symbol, its corresponding company name will appear automatically. Then enter the number of shares.

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Let’s check if add the stock successfully, enter option 4

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The stock of visa are stocks that I’ve stored in my database before.

1-2 - Update Shares

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1-2-1 - Buy Shares

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1-2-2 - Sell Shares

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1-3 - Delete Stock

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When a stock is deleted through the console, a success message is displayed. However, this action only removes the stock from memory during the current session—the data remains stored in the database and is not permanently deleted

1-4 - List Stocks

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2 - Add Daily Stock Data (Date, Price, Volume)

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2-1 - Fetch from Web (Recommended)

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2-2 - Manual Enter Daily Data

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3 - Show Report

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4 - Show Chart

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A graph showing a price history

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5 - Manage Data (Save, Load, Retrieve)

5-1 - Save Data to Database

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5-2 - Load Data from Database

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5-3 - Retrieve Data from Web

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5-4 - Import Data from CSV

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A screenshot of a computer screen

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A graph showing the price of a stock market

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**GitHub Link:** https://github.com/Ashley96yy/DATA200\_Lab2